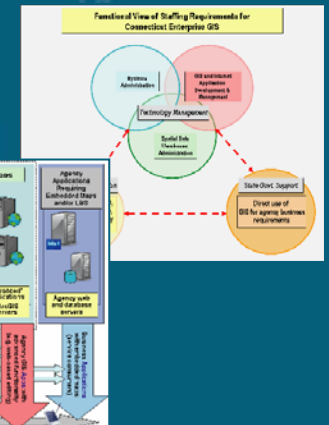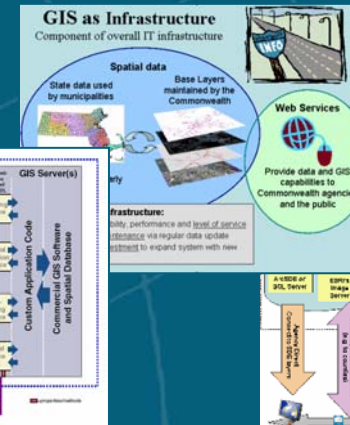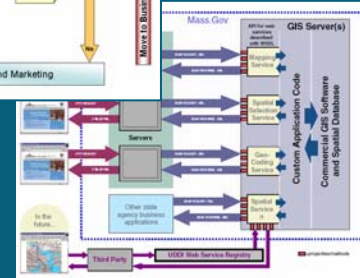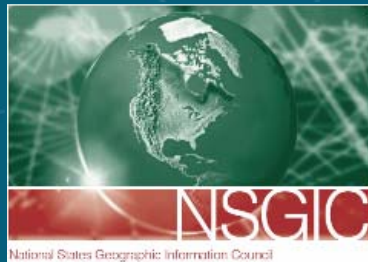# Utah Geospatial Infrastructure Strategic Plan



# Implementation Priorities and Planning

Facilitated by:
**Applied Geographics, Inc.**

October 6, 2008

# With you today…

- **Michael Terner**
  - Applied Geographics Inc
  - Executive Vice President, Principal
  - mgt@appgeo.com

# Agenda

1.   Why are we here?

2.   Review of strategic plan's strategic and programmatic goals

3.   Prioritization of programmatic goals

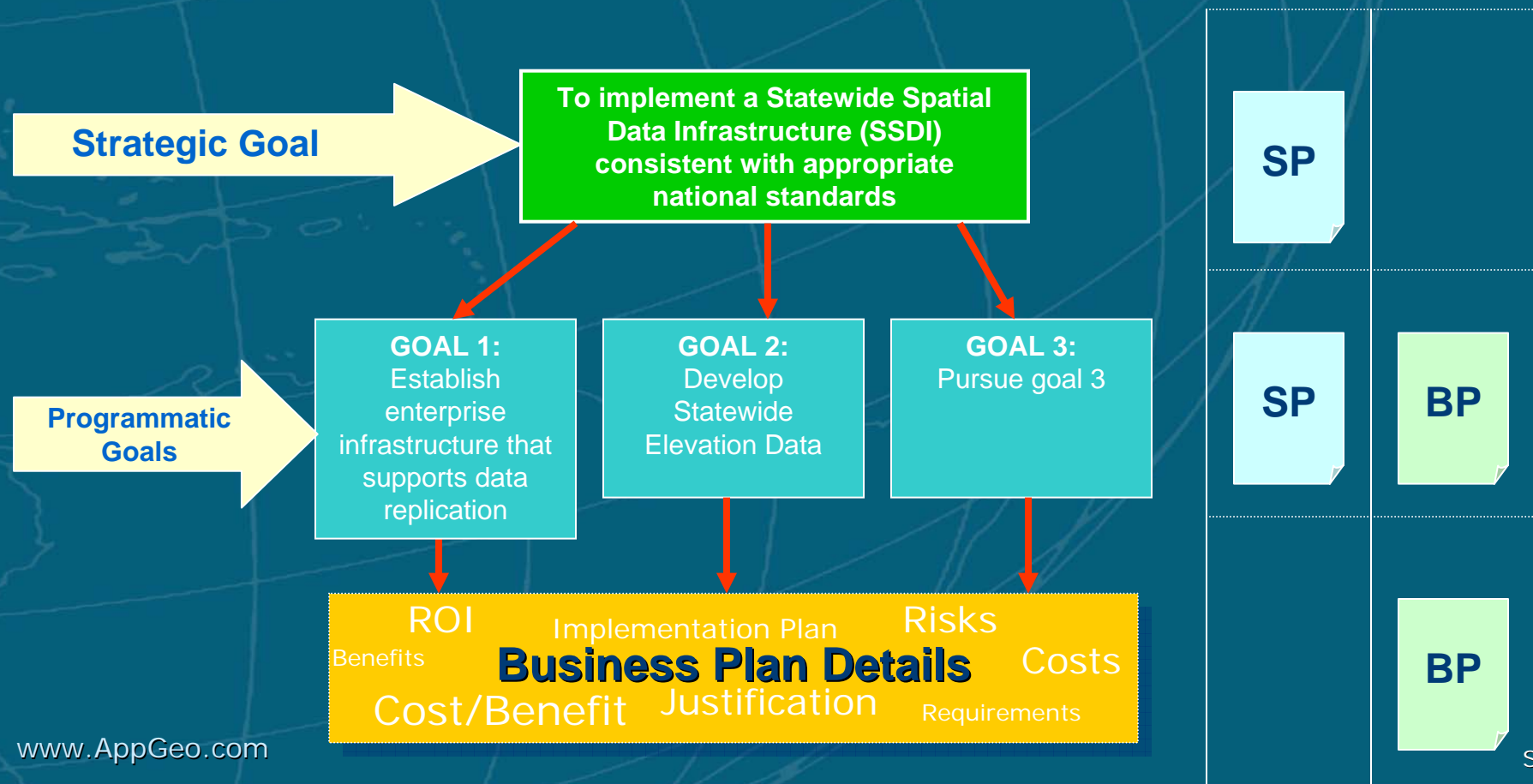- What should we pursue first? Second?
- Informal vote

**\* \* \***          **L U N C H**        **\* \* \***

4.   How to pursue highest priority goals?

- What's required to begin implementation?

5.   What comes next?

# Strategic Planning Process

- Identifies high-level strategic goals
- Individual programmatic goals
  - Steps toward achieving the strategic goals
  - Programmatic goals may require further business plans



**Strategic Goal**

To implement a Statewide Spatial Data Infrastructure (SSDI) consistent with appropriate national standards

SP

**Programmatic Goals**

GOAL 1:
Establish enterprise infrastructure that supports data replication

GOAL 2:
Develop Statewide Elevation Data

GOAL 3:
Pursue goal 3

SP

BP

ROI
Benefits
Implementation Plan
**Business Plan Details**
Cost/Benefit
Justification
Risks
Costs
Requirements

BP

# Vision Statement

The Utah Geospatial Infrastructure (UGI) delivers robust map-based information and services to citizens, businesses and government to enhance the safety, economy, environment, and quality of life in Utah, through the collaborative efforts of the Utah geospatial community.

# 4 Strategic Goals
## Beget 17 programmatic goals

1.  Collaboratively maintained statewide data resources are usable, dependable, and relevant.

2.  Services are effective, accessible and reliable.

3.  Operational efficiencies are achieved through effective organization and communication.

4.  Decision makers at all levels understand the value of building the Utah Geospatial Infrastructure and the benefit of utilizing it to respond to needs and opportunities.

*Programmatic goals for:*

Collaboratively maintained statewide data resources are usable, dependable, and relevant.

1. Identify and prioritize a master list of datasets, and plan for their creation, maintenance, and distribution.

2. Develop, publish, and implement standards.

3. Identify data stewards and/or custodians.

4. Create and maintain an online inventory.

5. Make the business case for data sharing.

6. Formalize processes for data exchange between partners.

☐ Survey question

☐ Additional goals suggested by survey takers

*Programmatic goals for:*
Services are effective, accessible and reliable.

1. Create a common infrastructure for delivering geospatial services.

2. Create exemplary services to serve as a model for others.

3. Develop services to enable data integration.

4. Adopt Management and Control Processes for UGI Geospatial Services.

*Programmatic goals for:*
Operational efficiencies are achieved through effective organization and communication.

1. Optimize the organization of the Utah geospatial community.

2. Involve all stakeholders in the construction, maintenance, and use of the UGI.

3. Leverage the UGI to serve the entire state.

4. Use communications technology to facilitate cooperation between stakeholders in the UGI.

*Programmatic goals for:*

Decision makers at all levels understand the value of building the Utah Geospatial Infrastructure and the benefit of utilizing it to respond to needs and opportunities.

1. Present the UGI to decision makers as a high value project and asset.

2. Develop a series of key projects to illustrate the benefits supporting the UGI.

3. Develop a website and support network to sustain local practitioners and build advocacy.

# Prioritization & Voting

- Review of the "registration survey"
  - An initial view of priority

- Discussion: your input and advocacy for priorities

- How should we vote?

- How many goals should be on the slate?

- Voting system?
  - 1 vote for your personal highest priority
  - Each person has 100 points to allocate across the slate

# Registration Survey Results

6. The Utah Geospatial Infrastructure (UGI) Strategic Plan recommended that several programmatic goals be pursued. Several focus areas have been suggested so far. Please rank the following sub-set of the programmatic goals that were included in the plan.

| | 1 - High | 2 | 3 | 4 | 5 - Low | Rating Average | Response Count |
|---|---|---|---|---|---|---|---|
| 1. Identify and prioritize a master list of data sets and plan for their creation, maintenance and distribution. | 63.2% (36) | 26.3% (15) | 5.3% (3) | 3.5% (2) | 1.8% (1) | 1.00 | 57 |
| 2. Develop, publish and implement further data standards. | 39.7% (23) | 34.5% (20) | 19.0% (11) | 5.2% (3) | 1.7% (1) | 1.00 | 58 |
| 3. Create and maintain an on-line inventory of Utah GIS data covering all levels of government. | 35.1% (20) | 40.4% (23) | 19.3% (11) | 3.5% (2) | 1.8% (1) | 1.00 | 57 |
| 4. Create a common web services infrastructure for delivering geospatial data and services. | 34.5% (20) | 31.0% (18) | 20.7% (12) | 10.3% (6) | 3.4% (2) | 1.00 | 58 |
| 5. Optimize the organization of the Utah geospatial community including clarifying/adapting the roles of GISAC, UGIC and AGRC. | 28.1% (16) | 29.8% (17) | 26.3% (15) | 10.5% (6) | 5.3% (3) | 1.00 | 57 |
| | | | | | *answered question* | | 58 |

# Registration Survey Results

| Goal | Highest | High | Combined |
|---|---|---|---|
| Identify and prioritize a master list of data sets and plan for their creation, maintenance and distribution | 63.2% | 26.3% | **89.5%** |
| Create and maintain an on-line inventory of Utah GIS data covering all levels of government | 35.1% | 40.4% | **75.5%** |
| Develop, publish and implement further data standards | 39.7% | 34.5% | **74.2%** |
| Create a common web services infrastructure for delivering geospatial data and services | 34.5% | 31.0% | **65.5%** |
| Optimize the organization of the Utah geospatial community including clarifying/adapting the roles of GISAC, UGIC and AGRC | 28.1% | 29.8% | **57.9%** |

# Other Goals Suggested Through Survey

- Identified Programmatic Goals
  - Create exemplary services and projects to highlight needs and benefits
  - Work on decision maker education
  - Rapid response teams
- New ideas or Implementation Suggestions
  - Incentives for data sharing
  - Additional support to local government
  - Next Generation 911 (NG-911) planning
  - Planning for statewide parcels (including standard accuracies)
  - Statewide address points with tools for participant-based updating
  - Leverage "cloud computing" and Web 2.0 technologies
  - Workforce development, particularly in rural areas
  - Support in-state geospatial service providers

# Programmatic Goal Slate – what we're voting on

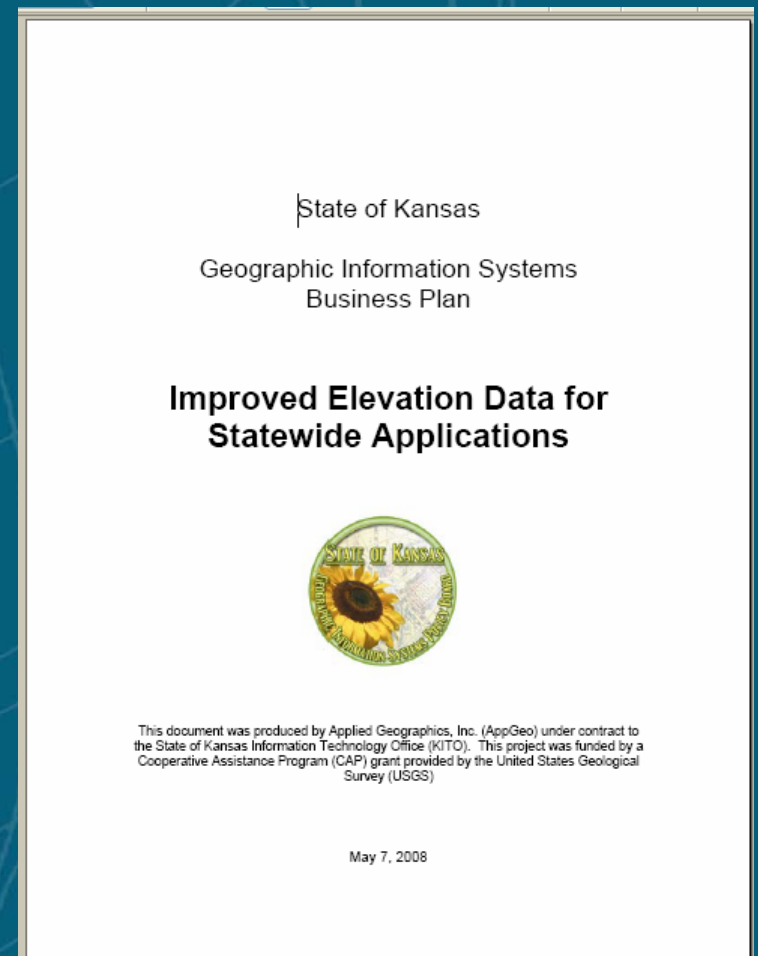| | | |
|---|---|---|
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| 3 | Develop, publish and implement further data standards | |
| 4 | Create a common web services infrastructure for delivering geospatial data and services | |
| 5 | Optimize the organization of the Utah geospatial community including clarifying/adapting the roles of GISAC, UGIC and AGRC | |
| 6 | Work on decision maker education | |
| 7 | Data sharing infrastructure to make it easier to share | |
| 8 | Create exemplary services and projects to highlight needs and benefits | |
| 9 | Rapid response teams | |

# Lunch

# Implementation Options

- Some things are a matter of organizational priority and initiative

  - For example, AGRC could agree to take on an activity by deploying its own resources

  - For example, standards development

- Other things require new resources and formal planning

  - Preparation of Business Plans

# What's involved in a Business Plan?

- **Identify Program Elements**
  - And congruence with overall Strategic Plan

- **Identify Program Benefits**
  - Structure like a business case
    - Economic benefits?
    - Value-added benefits?
    - Avoided costs/problems?
    - Policy congruence/problems that are solved
  - Why should a political leader, or Executive champion this effort?

- **Detail Program Requirements and Budget**
  - Deliverables
  - Technologies/Methodologies employed

- **Document program oversight and organizational approach**
  - Required policies

- **Develop Implementation Plan**
  - Steps and phasing necessary to achieve goals

- **Develop metrics for success**

State of Kansas

Geographic Information Systems
Business Plan

**Improved Elevation Data for Statewide Applications**

This document was produced by Applied Geographics, Inc. (AppGeo) under contract to the State of Kansas Information Technology Office (KITO). This project was funded by a Cooperative Assistance Program (CAP) grant provided by the United States Geological Survey (USGS)

May 7, 2008

# How to approach programmatic goals that were prioritized through this workshop?

- Strategies to ensure success?

- Obtaining resources?

- Generating support/collaboration?

# What comes next?

- How do we get these initiatives off of the ground?

- Identify leads & teams

- Timing?

  - Before Legislative Session in January?

  - Extended planning through Summer 2009?

  - Other milestones?

# Other Questions